

DELOVASTIKOV, N.I.

Crystalline structure of dumortierite $(Al, Fe)_7O_3[BO_3][SiO_3]_4$
Dokl. AN SSSR 162 no.6:1284-1287 Jo '65. (MIRA 18:7)

1. Institut Kristallografi AN SSSR. Submitted March 22, 1965.

AKSEL'DORF A.L.; GOLOVASTIKOVA K.V.

Chyluria and pyelolymphatic reflux. Urologia no.6:56-58'62.

(MIRA 16:7)

1. Iz urologicheskogo otdeleniya (konsul'tant - dotsent V.P. Smelovskiy) Kuybyshevskoy gorodskoy tsentral'noy bol'nitsy imeni N.I.Pirogova.

(CHYLE) (URINE—ANALYSIS AND PATHOLOGY)

(LYMPHATICS—DISEASES)

1. 110-45 11112/11111/11111/11111/11111 11/11

ACCESSION NR: AP1121111

UR/0135/65/000/408/0015/0021

AUTHOR: Pashin, E. I., Solomonov, Ye. S.

878 08-631-752:878.01:556.495.001.57

TITLE: Method of evaluating the thermostability of sealing resins by short term heating

SOURCE: Kauchuk i Resina, no. 8, 1985, 16-21

TOPIC TAGS: adhesive, resin, adhesion, stress relaxation, hardness, heat resistance, hermetic seal, laboratory instrument, temperature test, test method

ABSTRACT: A method was worked out and apparatus was constructed for laboratory evaluation of the sealing properties of resinous materials utilizing brief high-temperature heating and elevated gas pressures to simulate operating conditions. Tests were run on samples heated to a maximum of 500 C at rates of 40-100 C/min with nitrogen pressures up to 50 kg/sq. cm. Model samples were prepared from resins based on SKN-18 (DMA hardness of 70-76), SKT (48-60), and highly filled SKN-18 (88-90). It was shown that certain characteristics of the process of unsealing hermetic resinous seals under intensive heat associated with loss of

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A 3300-66

ACCESSION NO: APT822092

mechanical strength due to thermal destruction and other effects led to accelerating the rupture of the seal as the pressure of the packed media is increased. This was additionally confirmed by hardness and compressive stress relaxation measurements on these resins under closely controlled heating. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 08

ENCL: 00

SUB CODE: MT,TD

NR REF BUT: 005

OTHER: 000

Page 2 of 2

BRODSKIY, S.R., kand. med. nauk; GOLOVATENKO, A.I.

Significance of the X-ray examination method for the diagnosis
and study of endocrine disorders. Sbor. trud. Azerb. nauch.-
issl. inst. kur. i fiz. metod. lech. no.9:17-23 '63.

(MIRA 18:8)

34622

S/186/62/004/001/001/008
E075/E436

21.4200

AUTHORS: Golovatenko, R.T., Samoylov, O.Ya.

TITLE: Temperature dependence of the distribution
coefficients during extraction of uranyl nitrate with
diethylether from aqueous solutions

PERIODICAL: Radiokhimiya, v.4, no.1, 1962, 25-33

TEXT: The present work is a part of an investigation into the phenomena of salting-out during extraction of mineral salts from aqueous solutions with diethyl ether. The authors determined the distribution coefficients for uranyl nitrate, in the presence of a number of salting-out agents, from 0 to 25°C. Nitrates of Li, Na, K, Cs, Mg, Ca, Co, Ni, Zn, Sr and Cd as well as nitric acid were used as the salting-out agents at various concentrations. It was found that the salting-out efficiency increases as follows: Sr^{2+} , Ca^{2+} , Mg^{2+} and Cs^{+} , K^{+} , Na^{+} , Li^{+} . Ni^{2+} and Co^{2+} are less effective than Mg^{2+} , which is connected with a decrease in the energy of activation (ΔE_{vys}) of water molecules removed from the solution containing a given salt, when the interaction of Ni^{2+} and Co^{2+} with the water molecules increases. Above 15°C for the
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Temperature dependence ...

S/186/62/004/001/001/008
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concentrations of 0.94 and 1.88 g/ions NO_3^- per litre of solution, the distribution coefficients in the presence of $\text{Mg}(\text{NO}_3)_2$ are lower than for Ni and Co nitrates, whereas the reverse is true for all the other cases. This is connected with the increased interaction of the cations with water molecules at the higher temperatures. It was established that there is a linear dependence between $\ln \alpha$ and $1/RT$ (α - distribution coefficient, R - gas constant, T - absolute temperature) in the presence of all salting-out agents for the concentrations of 0.47, 0.94, 1.88, 3.25 g/ions NO_3^- per litre of solution. In the absence of the salting-out agents the relationship is not linear. It would appear that the activation energy ΔE_{vys} can be evaluated from the slopes of the straight lines obtained in the presence of the salting-out agents and the slopes of tangents to the curves obtained in the absence of salting-out agents at the corresponding temperatures. The latter slopes, however, are greater than the slopes of the straight line graphs at all temperatures, which would lead to negative values of ΔE_{vys} . The greater value of the slope of the tangents, as compared with the slopes of the

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Temperature dependence ...

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linear graphs is connected with differences in the nature of the hydrated forms of uranyl nitrate passing into ethyl ether solution, which depends on the presence of a particular type of salting-out agent and its concentration in the aqueous phase. The differences are due to changes in the number of water molecules which are removed from the neighbourhood of UO_2^{2+} ion when it passes into the ethereal layer. There are 6 figures and 2 tables.

SUBMITTED: July 15, 1961

Card 3/3

SAMOYLOV, O.K.; SOLOVATSKOY, R.T.; YASHKICHEV, V.I.

Influence of covalence of the interaction of a salting out cation
with water molecules on the effectiveness of salting out.
Radiokhimiya 3 no.4:499-504 '63. (MIRA 16:10)

(Salting out) (Cations) (Water)

GOLOVATENKO, B.T.

Salting out in the extraction of uranyl nitrate from aqueous solutions, Zhur. neorg. khim. 8 no.10:2395-2399 0 '63.

(MIRA 16:10)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova AN SSSR.

(Uranyl nitrate) (Salting out)

SOKOLOV, D.N.; OKHOVATENKO, R.T.

Gas chromatographic analysis of the products of polyformaldehyde
manufacture. Zav. lab. 31 no.11:1321-1324 '65.

1. Pribludnaya Instituta khimicheskoy fiziki AN SSSR.

(MIRA 19:1)

GOLOVATENHO, T.

Prospectors of the earth crust. Sov.profsoiuzy 7 no.20:27
0 '59. (MIRA 12:12)

1. Predsedatel' razvedochnogo komiteta profsoyusa, g.Suchan.
(Suchan--Oil well drilling)

GOLOVATENKO, V.S.

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Painting of tractor parts with preheated enamel paint; from practices
of the Altai Tractor Plant. Lakekras. mat. 1 ikh prim. no.3:80 '63.
(MIRA 16:9)

(Altai—Tractors—painting)

GOLOVATSKAYA, G.I.

GOLOVATSKAYA, G.I. (Moskva)

What is toxoplasmosis and its role in obstetrics. Fel'd. i akush.
22 no.12:47-48 D '57. (MIRA 11:2)
(TOXOPLASMOSIS)

GOLOVATSKAYA, G.I.

Clinical aspects of toxoplasmosis in the newborn. *Pediatrics* 37
no.10:3-9 O '59. (MIRA 13:2)

1. In otdeleniya novorozhdennykh (zaveduyushchiy G.I. Smirnov)
Instituta akusherstva i ginekologii Ministerstva zdavookhraneniya
RSFSR (dir. L.G. Stepanov).
(TOXOPLASMOSIS in inf. & child.)
(INFANT NEWBORN dis.)

ORLOV, G.A.; GOLOVATSKAYA, G.I.

Toxoplasmosis as a cause of embryopathy. Sov.med. 24 no.1:114-
120 Jan '60. (MIRA 13:5)

1. In Instituta akusherstva i ginekologii (dir. - dotsent L.O.
Stepanov) Ministerstva zdavookhraneniya RSFSR.
(TOXOPLASMOSIS in pregn.)
(PREGNANCY complications)
(ABNORMALITIES etiology)

GOLOVATSKAYA, G. I.

"The Effectiveness of Treating Pregnant Women with Acquired
Toxoplasmosis"

Voprosy toksoplazmoza, report theses of a conference on toxoplasmosis,
Moscow, 3-5 April, publ. by Inst Epidemiology and Microbiology
Im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 49pp.

GOLOVATSKAYA, G.I.

Effectiveness of chemical prophylaxis in congenital toxoplasmosis.
Akush.i gin. no.6:25-28 '61. (MIRA 14:12)

1. Iz otdeleniya novorozhdennykh (zav. Ye.Ch. Novikova) Instituta
akusherstva i ginekologii (dir. - prof. O.V. Makeyeva) Ministerstva
zdravookhraneniya RSFSR.
(TOXOPLASMOSIS) (PREGNANCY, COMPLICATIONS OF)
(CHEMOTHERAPY)

9,6/00

22295
S/066/60/000/001/002/005
A053/A029

AUTHORS: Pavlova, I., Candidate of Technical Sciences, Golovatskaya, L.
Engineer

TITLE: New Instruments for measuring temperatures

PERIODICAL: Kholodil'naya tekhnika, no. 1, 1960, 18 - 20

TEXT: During the period from 1957 to 1958 VNIKhI has developed two new instruments for measuring temperatures: a semiconductor thermometer for taking the temperature on the surface and inside of frozen or refrigerated food, and a differential logometer for determining the difference in temperature at two points to be used in refrigerating plants etc. The semiconductor NWT (PIT) thermometer consists of thermal resistance pickups of the EMT-1 (YeMT-1) type connected to the unbalanced Wheatstone bridge with a microammeter. The thermal resistors mounted in special handles are volumetric, non-linear, semi conducting resistors, the volume of which decreases to the extent as the temperature rises and vice versa. They are usually made of oxide semiconductors with a great negative temperature coefficient. Thermal resistors are very sensitive, dependable and of great stability, for which reason they can be employed conveniently as thermometers. The

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0/005/62/000/002/048/052
AC01/A101

AUTHORS: Agreskin, A. I., Golovatskiy, B. A.

TITLE: Scale range finder

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 2, 1962, 34,
abstract E0226 ("Tr. Novosib. in-ta inzh. geod., aerofotos"yemki i
kartografi", 1961, v. 14, 95 - 103)

TEXT: The authors describe a scale range finder with a rod of constant length. The range finder is intended for linear measurements in theodolite traverses and analytic networks constructed by the principle of linear triangulation. A specific feature in the design of this range finder consists in that a uniform scale is mounted in the vertical plane of the telescope with inner focusing; the scale is moved by means of a precision micrometric screw. The Novosibirsk Institute of Engineers of Geodesy, Aerial Photosurvey and Cartography has constructed the model of the scale range finder by using the following parts: the stand of a TT-50 theodolite, the telescope of a 4" (NT) level, the scale of a DNE-2 (DNE-2) range finder headpiece, and the micrometer of the control telescope of a 5"-universal instrument. A vertical circle is fastened to the range finder

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Scale range finder

S/035/62/000/002/048/052
A001/A101

telescope for determining inclination angles. The micrometer-equipped scale can be fixed in the horizontal and vertical position, which enables one to measure distances with vertical and horizontal rods. The method of work with the range finder and the way of determining its constants are described. The results are presented of comparing the lengths of polygonometry sides measured with invar wires and with the range finder. According to these data it was found that the accuracy of measuring distances with the range finder is not below 1:1,400. It is assumed that the accuracy of this range finder can be improved by applying an optical micrometer. ✓

R. Kazarnovskaya

[Abstracter's note: Complete translation]

Card 2/2

GOLOVATSKIY, I. D.

"Carbohydrate-Phosphorus Metabolism Indexes in Cows' Blood in Relation to Milk Production and During Birth Paralysis." Cand Biol Sci, L'vov State Zooveterinary Inst, L'vov, 1954. (RZhBiolKhim, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

GOLOVATSKIY, I.D.

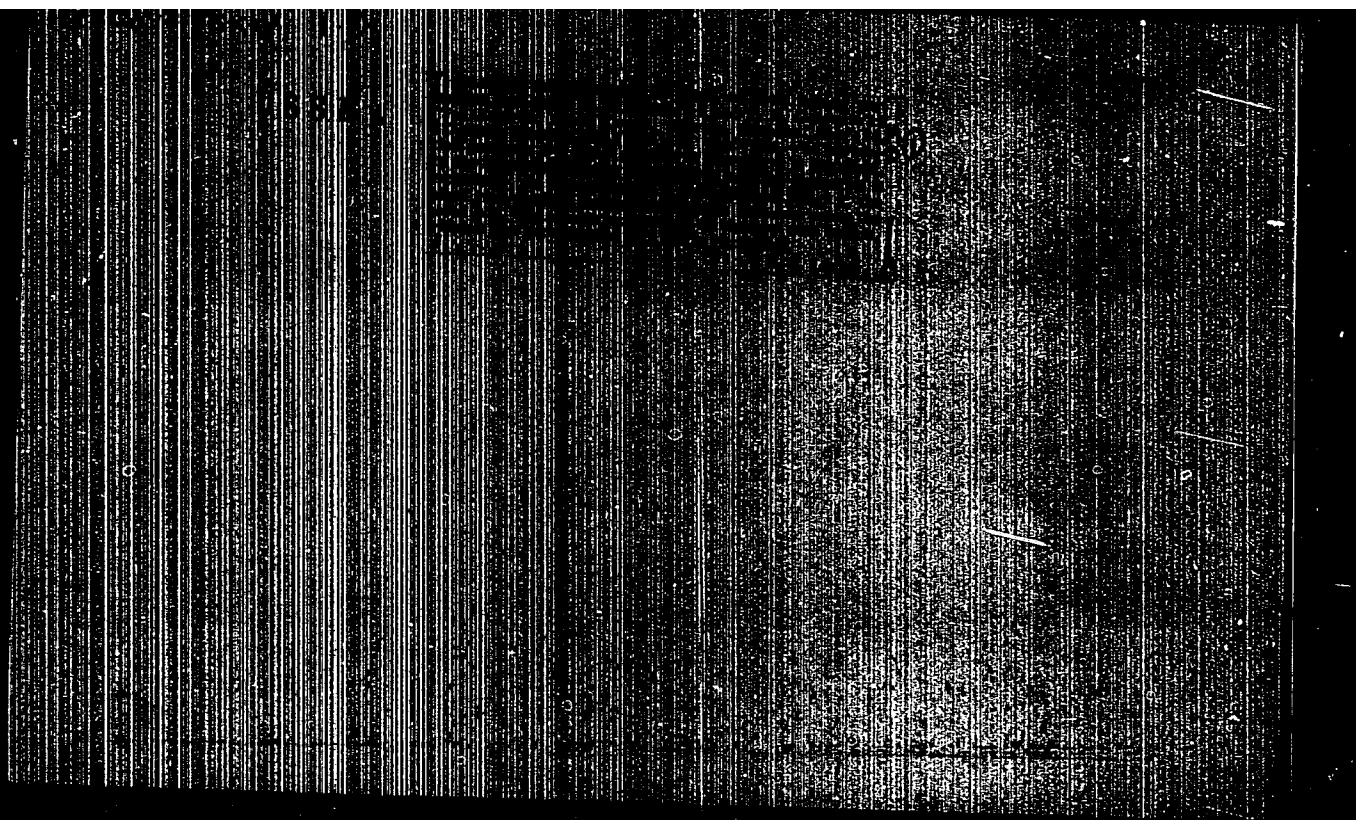
Phosphorus fractions in the blood of cows afflicted with puerperal paresis, and changes of these fractions during treatment of cows by forcing air into the udder. Ukr.biohim.shur. 26 no.3:324-329 '54.
(MLRA 7:12)

1. Kafedra biokhimii L'vovskogo veterinarno-zootekhnicheskogo instituta.

(Phosphorus in the body) (Blood--Analysis and chemistry)
(Paralysis)

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CIA-RDP86-00513R000515810016-4"

GZHITSKIY, S.Z.[Hshyts'kiy, S.Z.]; ZEMTSOVA, N.A.[Zemtsova, N.O.];
GOLOVATSKIY, I.D.[Golovats'kiy, I.D.]; PALFIY, F.Yu.

Biochemical investigations of cow blood in connection with milk
yields and parturient paralysis. Pratsi Inst. agrobiol. AN URSS
3 no. 2:25-38 '56. (MIRA 11:7)

(Cows--Diseases and pests)
(Blood--Analysis and chemistry)

AUTHOR:

Golovatskiy, I.B.

SOV/21-58-10-13/27

TITLE:

The Pentose Path of Carbohydrate Metabolism in Animal Tissues and Organs (Pentosnyy put' obmena uglevodov v tkanyakh i organakh zhiivotnykh)

PERIODICAL:

Dopovidi Akademii nauk Ukrainy'koi RSR, 1958, Nr 10, pp 1083 - 1086 (USSR)

ABSTRACT:

The author carried out pentose studies by the method proposed by Meybaum [Ref 8]. He established that the pentose content amounts to 40 to 80% of blood sugar, about 15% of total content of carbohydrates in liver, 30% of carbohydrates in muscles and about 60% of all the carbohydrates in the abomasum tissues of cattle. The author shows the ability of blood to form and transform pentoses and their content with cows, horses, pigs, dogs, rabbits, sheep and human beings.

Card 1/2

GOLOVATSKIY, I.D. [Golovats'kiy, I.D.]

Content and metabolism of pentose in the blood. Ukr.biochim.zhur.
30 no.3:348-355 '58. (MIRA 13:3)

1. Department of Organic and Biological Chemistry of the Lvov Veteri-
nary Institute.
(PENTOSE) (CARBOHYDRATE METABOLISM)

GOLOVATSKIY, I.D. [Golovats'kyi, I.D.]

Effect of insulin and glucose on the formation and conversion of
pentoses in the blood [with summary in English]. Ukr.biokhim.zhur.
30 no.6:888-896 '58. (MIRA 11:12)

1. Kafedra organicheskoy i biologicheskoy khimii L'vovskogo sovet-
rinnogo instituta.
(INSULIN) (GLUCOSE) (PENTOSE) (BLOOD--ANALYSIS AND CHEMISTRY)

GZHITSKIY, S.Z., prof.; GERMANIYUK, Ya.L., dots.; GOLOVATSKIY, I.D., kand.
biol.nauk; KIVASH, A.S., aspirant

Insulin in diseases of the alimentary canal in cattle. Veteri-
naria 35 no.9:77-78 S '58. (MIRA 11:9)

1. L'vovskiy zooveterinarnyy institut i Institut zemledeliya i
zhivotnovodstva zapadnykh rayonov USSR.
(Insulin) (Cattle--Diseases and pests)

GOLOVATSKIY, I.D. [Golovats'kiy, I.D.]

Dynamics of pentoses in a developing chick embryo. Ukr.biohim.zhur.
31 no.5:745-750 '59. (MIRA 13:4)

1. Department of Biochemistry and Organic Chemistry of the Lvov
Zooveterinary Institute.

(PENTOSE)

(EMBRYOLOGY--BIRDS)

GOLOVATSKIY, I.D. [Golovats'kiy, I.D.]

Effect of insulin and glucose on the adenosinetriphosphatase
activity of the blood. Dop.AN USSR no.2:224-227 '60.

(MIRA 13:6)

I. L'vovskiy zooveterinarnyy institut. Predstavleno akade-
nikom AN USSR M.F. Gulya [M.F. Gulya].

(INSULIN) (GLUCOSE) (ADENOSINETRIPHOSPHATASE)

GOLOVATSKIY, I.D. [Holovats'kyi, I.D.]

Characteristics of compounds containing pentose in animal organs and tissues. Ukr.biochimichesk. 32 no.2:264-270 '60. (MIRA 13:11)

1. Department of Organic and Biological Chemistry of the Lvov Zooveterinary Institute.
(PENTOSE)

GOLOVATSKIY, Ivan Dmitriyevich [Holovats'kyi, I.D.], kand. biol. nauk;
GZHITSKIY, S.Z. [Halyts'kyi, S.Z.], akademik, otv. red.;
MAZUR, V.M., red.; KVITKA, S.P., tekhn. red.

[Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil'-
s'kohospodars'kykh tvarya. Kyiv, Vyd-vo Ukrain's'koi akad. sil'-
s'kohospodars'kykh nauk, 1961. 209 p. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk Ukr. SSR i Ukrain's'kaya
Akademiya sel's'kokhozyaystvennykh nauk (for Gzhitskiy).
(Carbohydrate metabolism) (Veterinary physiology)

GOLOVATSKIY, I. D. (USSR)

"The Pentose Cycle and its Interrelation with Glycolysis."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

GOLOVATSKIY, I.D.[Holovats'kiy, I.D.]; TRETEVICH, V.I.[Tretevych, V.I.]

Distribution and characteristics of monosaccharides in the blood of man and some animals [with summary in English]. Dop.AN URSSR no.3:387-391 '61. (MIRA 14:3)

1. L'vovskiy zooveterinarnyy institut. Predstavleno akademikom AN URSSR V.A.Belitsersom [Belitsor, V.O.].
(BLOOD SUGAR)

GOLOVATSKIY, I.D. [Golovats'kyi, I.D.]

Dynamics of pentoses and hexoses in the blood of animals following
administration of glucose against a background of insulin action.
Ukr. biokhim. zhur. 33 no.3:396-401 '61. (MIRA 14:6)

1. Kafedra organicheskoy i biologicheskoy khimii L'vovskogo
zooveterinarnogo instituta.
(BLOOD SUGARS) (INSULIN)

GOLOVATEKIY, I.D.

~~GOLOVATEKIY, I.D.~~, ~~PODILCHAK, M.D.~~

Routes of carbohydrate metabolism in tissues of animals with Brown-Pearce carcinoma. Folia biol. 8 no.6:367-372 '62.

1. Department of Biochemistry, Veterinary Institute, and Department of Surgery, Medical Institute, Lvov.
(CARCINOMA, BROWN-PEARCE) (CARBOHYDRATE METABOLISM)

GOLOVATSKIY, I.D. [Holovats'kyi, I.D.]

Some problems of interrelationship between the pentose cycle
and glycolysis in the blood. Ukr. biokhim. zhur. 34 no.3:435-
442 '62. (MIRA 18:5)

1. Kafedra organicheskoy i biologicheskoy khimii L'vovskogo
zooveterinarnogo instituta.

G. V. VASILEV, M.D. [Illegible]

Biochemistry at the Fifth International Union Conference (Br-
press. Ukr. biochim. zhurn. 35 no. 12: 1986 '87 (1986 1986)

GOLOVATSKIY, I.D. [Golovats'kyi, I.D.]; AVDOS'YEV, B.S. [Avdos'iev, B.S.];
~~NAZARKEVICH, Z.P.~~ [Nazarkevych, Z.P.]

Chemical composition of the blood of various fishes (carp, sazan).
Ukr. biokhim. zhur. 35 no.2:234-238 '63. (MIRA 17:9)

1. Department of Biochemistry of Lvov Zooveterinary Institute and
the Lvov Experimental Fishery Station.

CHAPLINSKIY, V.V., kand. med. nauk; GOLOVATSKIY, I.D., dotsent (L'vov)

Dynamics of blood monosaccharides in acute pancreatitis. Klin.
med. 41 no.2:83-89 F*63 (MIRA 17:3)

1. Iz gospi'tal'noy khirurgicheskoy kliniki (zav. - prof.
L.N. Kuzmenko) L'vovskogo meditsinskogo instituta i kafedry
biologicheskoy khimii (zav. - chlen-korrespondent AN UkrSSR
akademik Ukrain'skoy akademii sel'skokhozyaystvennykh nauk
S.Z. Gzhi'nskiy) L'vovskogo zooveterinarnogo instituta.

GOLOVATSKIY, I.N.

Features of the development of the salt-dome structures in the Dniiper-Donets Lowland and the conditions governing the accumulation of hydrocarbons in them. Trudy UkrNIGRI no.5816-22 '63.
(MIRA 3833)

GOLOVATSKIY, I.N.; PAULENEC, P.T.; PALCH, L.A. [et al.]

Accumulation of hydrocarbons in east Ukraine. [et al.]
Dnieper-Donets Lowland. Geol. rel. i geokh. n. 1965. 12
165.

1. Ukrainskiy naftno-gazoviy basen [et al.]
institut i trust Poltavnaftogazpromshch.

GOLWATSKY, J.H.; PALENO, P.T.; 1967; 11; 1967; V.E.

Geological characteristics and oil and gas potentials of
the Machanovka field. Trudy Vostok 1967 no. 104-105 '63.
(RUC 1961)

GOLOVATYUK, A.P.

Effect of polychlorvinyl resin dust in an experiment and in industry. Vrach. delo no.11:107-111 N'63 (MIRA 16:12)

1. Kiyevskiy nauchno-issledovatel'skiy institut gigieny truda i professional'nykh zabolevaniy. Nauchnyye rukovoditeli -doktor med. nauk Ye.I.Makovskaya, prof. I.M.Erman.

GOLOVATYUK, M. Ya.

Bornholm disease in children. Peditriia no. 6:20-24 '62.
(MIRA 15:6)

1. Iz infektsionnogo otdeleniya detskogo ob"yedineniya No. 3
Tomsk (nauchnyy rukovoditel' - prof. A. F. Sayshlyayeva)

(PLEURODYNIA, EPIDEMIC)

AKCH'ZIN, L.Ye.; REDINO, V.Ye.; BORCHDOV, I.A.; VINARSKIY, I.S.;
 GOROVATYUK, S.A.; NIKOLAYEV, G.P. Prinsipali uchastiye:
 KAPLUN, V.V.; KEROV, V.T.; YANITSKAYA, S.Yu.; KOMISSAROV,
 M.A.; KALINCHUK, I.O.; KISHENBOOV, V.D.; SEMERENNIKOVA, S.O.;
 FILIN, V.D. DUGIN, Ye.V., o'v.red.; DUKALOV, M.F., red.;
 BUBIR', V.A., red.; TYUTYUNIN, Ya.I., red.; VARSHAVSKIY, I.N.,
 red.; MONIN, M.I., red.; PANKHUKO, A.I., red.; BELYAYEV, F.R.,
 red.; RABINKOVA, L.K., red.ind-va; BOLDIREVA, Z.L., tekhn.red.

[Types of mine cross section] Tipovye secheniya gornyykh vyrabo-
 tok. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu.
 Vol.5. [Cross section of mines with reinforced-concrete supports
 and hinge-inning crossbars for 1-, 2- and 3-ton railroad cars]
 Secheniya vyrabotok, zakreplennykh shelezobetonnyimi stoikami
 s sharnirno-podvesnym vekhniskom, dlia 1-, 2- i 3-tonnykh
 vagonetok. 1960. 411 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiprosnakht.
 (Mine timbering)

KOVAL', Ye.P., inzh.; GOLOVATYY, A.T., inzh.; MILOVIDOV, L.G., inzh.

Work practice of electrified sections operated on a.c. current.
Zhel.dor.transp. 42 no.6:54-58 Ja '60. (MIRA 13:7)

1. Nachal'nik lokomotivnogo oddela Kashirskogo oddeleniya
Moskovskoy doregi (for Koval'). 2. Nachal'nik lokomotivnogo depo
Ozherel'ye (for Golovaty). 3. Zamestitel' nachal'nika Ozherel'-
yevskogo energouchastka (for Milovidov).
(Electric railroads)

GOLOVATYY, A.T.

If it is possible to do it, it is a must; practical possibilities exist on the Eastern Siberia Railroad for increasing the operative capacity of a.c. electric locomotives. Elek.i tepl.tiaga 6 no.5:4-8 My '62. (MIRA 15:6)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Vostochno-Sibirskoy dorogi.

(Electric locomotives--Performance)

GOLOVATY, A.T. (Irkutsk)

Our proposals for the improvement of the VL60 electric locomotive. Zhel. dor. transp. 45 no. 3:13-16 Mr '63.

(MIRA 16:6)

1. Nauchel'nik sluzhby lokomotivnogo khozyaystva Vostochno-sibirskoy dorogi.

(Electric locomotives--Design and construction)

GOLOVATII, G. M., (Veterinary Surgeon, Derazhnyansk Raion, Khmel'nitsk Oblast')

Infectious gastroenteritis in swine.

Veterinariya vol. 38, no. 10, October 1961, pp. 81-89

GOLOVATYY, G.M., veterinarnyy vrach

Forage biomycin in treating infectious gastroenterocolitis
in swine. Veterinariia 40 no.10:49-50 0'63. (MIRA 17:5)

1. Sovkhoz imeni Kotovskogo, Khmel'nitskoy obl.

ZHURAVLEV, V.M., aspirant; GOLOVATYY, G.M., veterinarnyy vrach

Infectious gastroenteritis in swine. Veterinariia 41 no.1:43-49
Ja '64. (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinariii (for Zhuravlev). 2. Sovkhoz imeni Kotovskogo Khmel'-
nitskoy oblasti (for Golovatyy).

KHOKHLOV, A.L., dotsent; GOLOVATYY, G.M., kand.veter.nauk; STRELKOV, K.N.,
veterinarnyy vrach

Treating esophageal obstruction in cattle. Veterinariia 42
no.8:66-69 Ag '65. (MIRA 18:11)

1. Leningradskiy veterinarnyy institut (for Khokhlov).
2. Kamenets - Podol'skiy sel'skokhozyaystvennyy institut
(for Golovaty). 3. Kolhoz "Druzhba", Borovskiy rayon,
Kaluzhskaya oblast' (for Strelkov).

GOLOVATYY, I.

Methods of planning the turnover in public food service. Sov.
torg 33 no.10:29-30 U '59. (MIRA 13:1)

1. Nachal'nik planovogo otdela kurorttorga, g. Berdyansk.
(Restaurants, lunchrooms, etc.)

GOLOVATYY, I. (Berdiansk)

Let's bring order into the planning of swine fattening. Sov.torg.
34 no.5:46-47 Ky '61. (MIRA 14:5)

1. Nachal'nik plannovogo otdela Kurorttorga.
(Berdiansk—Swine)

SAPEL'NIKOV, Ya.; GOLOVATYY, I.; GLAZUNOVA, V. aspirant, (Moskva); USTINOV, I.; KOLENKO, A.; KONDRATSKIY, A.; YEFREMOVA, L.; GORBACH, P., konstruktor (Moskva); BERGER, I., kand.ekon.nauk; KLEPIKOV, N.; SINYUTIN, V., kand.ekon.nauk; KORZHENEVSKIY, I., kand.ekon.nauk; PEREPLETCHIK, I.

Fiftieth anniversary of "Pravda." Sov. torg. 35 no.5:38-42
 My '62. (MIRA 15:5)

1. Nachal'nik Planovo-ekonomicheskogo upravleniya Ministerstva torgovli RSFSR (for Sapel'nikov). 2. Nachal'nik planovogo otdela kurorttorga, g. Berdiansk (for Golovaty). 3. Moskovskiy ordena Trudovogo Krasnogo znameni institut narodnogo khozyaystva im. G.V. Plekhanova (for Glazunova). 4. Nachal'nik Otdela tovarooborota Gosplana USSR, g. Kiyev (for Kolenko). 5. Glavnyy bukhgalter Zhitomirskogo gorodskogo torga po torgovle promtovarami (for Kondratskiy). 6. Starshiy khudozhnik Obshchesoyuznogo doma modely (for Yefremova). 7. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya (for Berger). 8. Zaveduyushchiy sektorom Nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Moskva (for Sinyutin). 9. Zaveduyushchiy sektorom Ukrainskogo nauchno-issledovatel'skogo instituta torgovli i obshchestvennogo pitaniya, g. Kiyev (for Korzhenevskiy).
 (Russian newspapers)

GOLOVATYY, I.

Measurement of labor productivity. Obshchestv.pit. no.11:46-50
162. (MIRA 16:1)

1. Nachal'nik planovogo otdela Berdyanskogo kurorttorga.
(Restaurants, lunchrooms, etc.—Production standards)

GOLOVATYY, I. (Berdiansk)

"Work and wages in state commerce." Reviewed by I. Golovaty.
Sov. torq. 35 no.8:50-51 Ag '62. (MIRA 15:8)
(Wages)

GOLOVATYY, I.

Search for a better solution. Sov.torg. 36 no.12:49-50 D '62.
(MIRA 16:1)

1. Nachal'nik planovogo otdela Kurorttorga, Berdyansk.
(Berdyansk--Retail trade--Accounting)
(Glass containers)

STOLYARCHUK, V.F.; GOLOVATYY, M.N.

Acceleration dynamics of a mine hoist with a weak rope. Izv.
vys. ucheb. zav.; gor. zhur. 6 no.8:111-119 '63. (MIRA 16:10)

1. L'vovskiy politekhnicheskii institut.

VOLKOV, P., GOLOVATYY, N. (Eiyev)

Readers' suggestions. Za rul. 17 no.11:29 N '59. (MIRA 13:4)
(Motor vehicles)

GOLOVATYY, R.M. [Holovaty, R.M.]; OSHCHAPOVSKIY, V.V. [Oshchapovs'kyi, V.V.]

Hydrolysis of Me-forms of sulfonated cation exchangers. Dop. AN
URSR no.5:616-618 '63. (MIRA 17:9)

1. L'vovskiy gosudarstvennyy universitet. Predstavleno akademikom
AN UkrSSR A.K.Babko.

Changes in the chemical composition of refractories during their service in a blast furnace. N. N. Gokhryatov and I. A. Baidynskii, (Gosizvesti S. R. S. S. R. 19, 31-3 (1974)). Samples of used refractories from different parts of a blast furnace were studied. At a point 2.1 m from the throat, deposits of solid C were found, varying from 0.2% at a depth of 170 mm to 2.5% near the inner surface. This is due to an excess of CO resulting in the formation of CO₂ and deposition of solid C; the reaction, though slow, is catalyzed by the Fe oxide present. The alkali content varied from 3.18 to 0.83%, because of the evaporation of the alkali present in the charge in the lower parts; the vapors rise with the gases and condense on the cold surface above. The content of Fe, Ca and Mg oxides increased slightly in the same direction. A sample from the hearth at 1.7 m under the sole of the air tuyere was divided into 8 zones; the 8th zone, 20 mm, thick, forming the inner surface, had a dense structure impregnated with metal. The 7th, next to the outer one, 10 mm, thick, also had a dense structure and showed a black coloring. The 3 inner zones did not change their outer aspect. The C content fell from 0.3% in the 8th to 0.05% in the 6th zone, rose to 0.10% in the 5th and fell to 0.05% in the 1st zone. This is explained by the intrusion of C with liquid Fe into the outer zones and by the entrance of reducing gases after

the letting out of the molten Fe, and up to the moment of a sufficient accumulation of slag; the gases enter through the joints of the lining. The content of CaO attained 2.51% in the 7th and 20.54% in the 8th zone, against an initial 1% in the brick, owing to the penetration of basic slag. The alkali content fell from 2.80 to 0.80% owing to evaporation in the slags and to evaporation. Samples from the inner surface at different levels showed that the C and alkali contents fell at lower levels. Samples from the bushes contained very little C; the alkali content fell to some extent with increase in temp.

R. R. Stefanovsky

B-1-4

RAPID DETERMINATION OF SULFUR IN BASIC SLAG.
 E. E. Salovey and P. S. Barilow (Leved. Lab., 1934,
 S. 502-503). --0.7-1 g. of powdered slag is shaken
 during 3-5 min. at room temp. with 200 c.c. of O_2 -free
 H_2O , 10 c.c. of 0.17N-I, and 15 C.C. of conc. HCl, the
 residual I is titrated, and the S content thence calc.:
 Cal. $\frac{1}{2}$ - Cal. $\frac{1}{2}$ S. The method is applicable only
 to fresh slag, the val. obtained being 10% lower after
 it has been kept near the furnace for 10 hr. A. T.

555-55A INTELLIGENCE LITERATURE CLASSIFICATION

CLASSIFICATION	DATE	BY	REASON
SECRET	10/10/55

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B-I-5

Decomposition of sulfates in iron ores. R. N. GOSWAMI and R. N. GOSWAMI, *Lab. 1934, 2, 385-386*. 4-7 g. of ore is placed with 15 c.c. of conc. HCl, the mixture is stirred in a crucible which is heated during 12 min. with 7-8 c.c. of 50% H₂SO₄, and then with 10 c.c. of conc. HCl; the group is diluted to 100 c.c., and the ppt. is washed, dried, and weighed as SO₃. The results are generally identical with those given by the official fusion method. R. T.

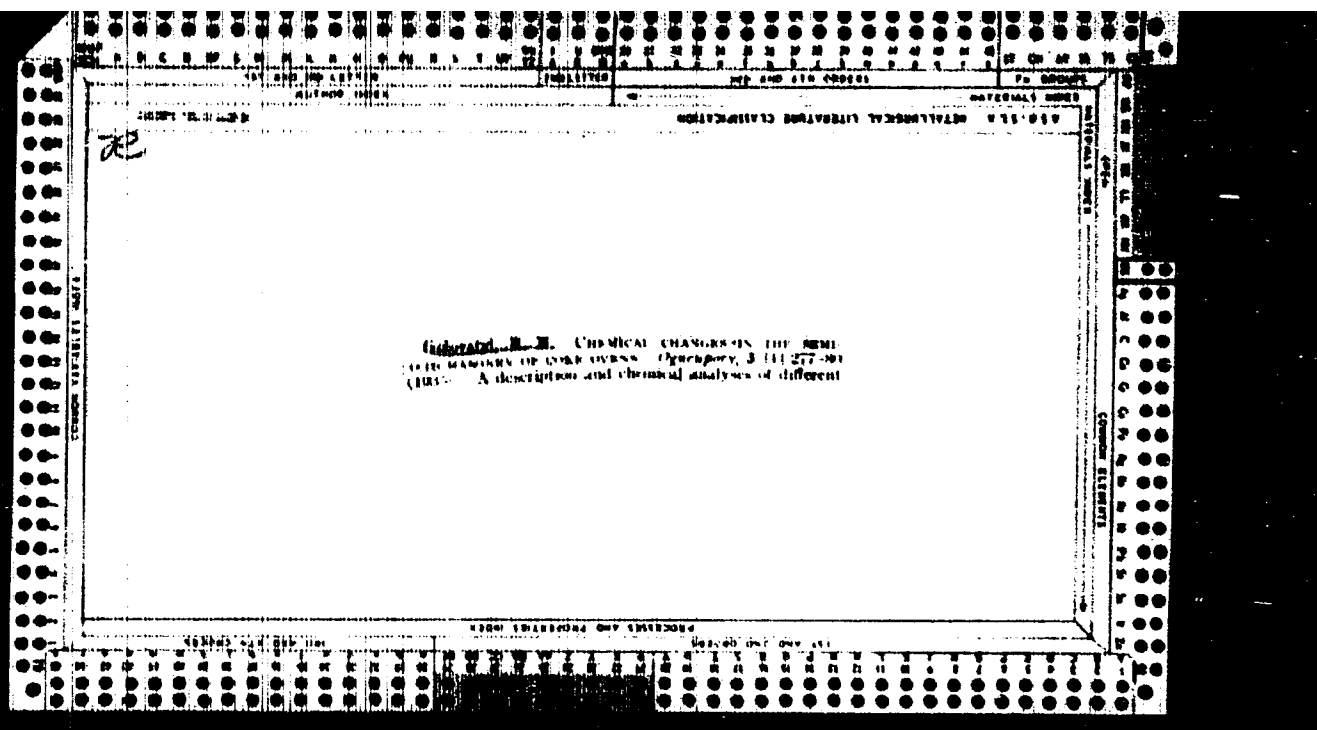
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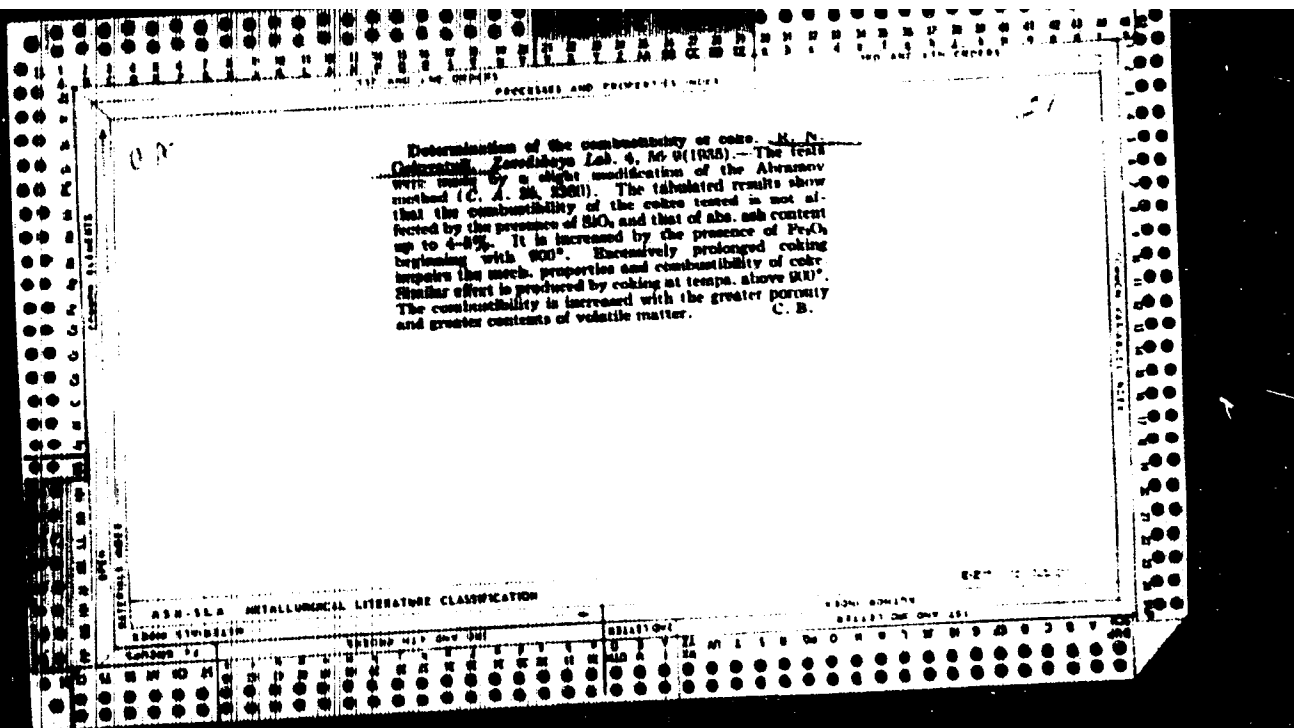
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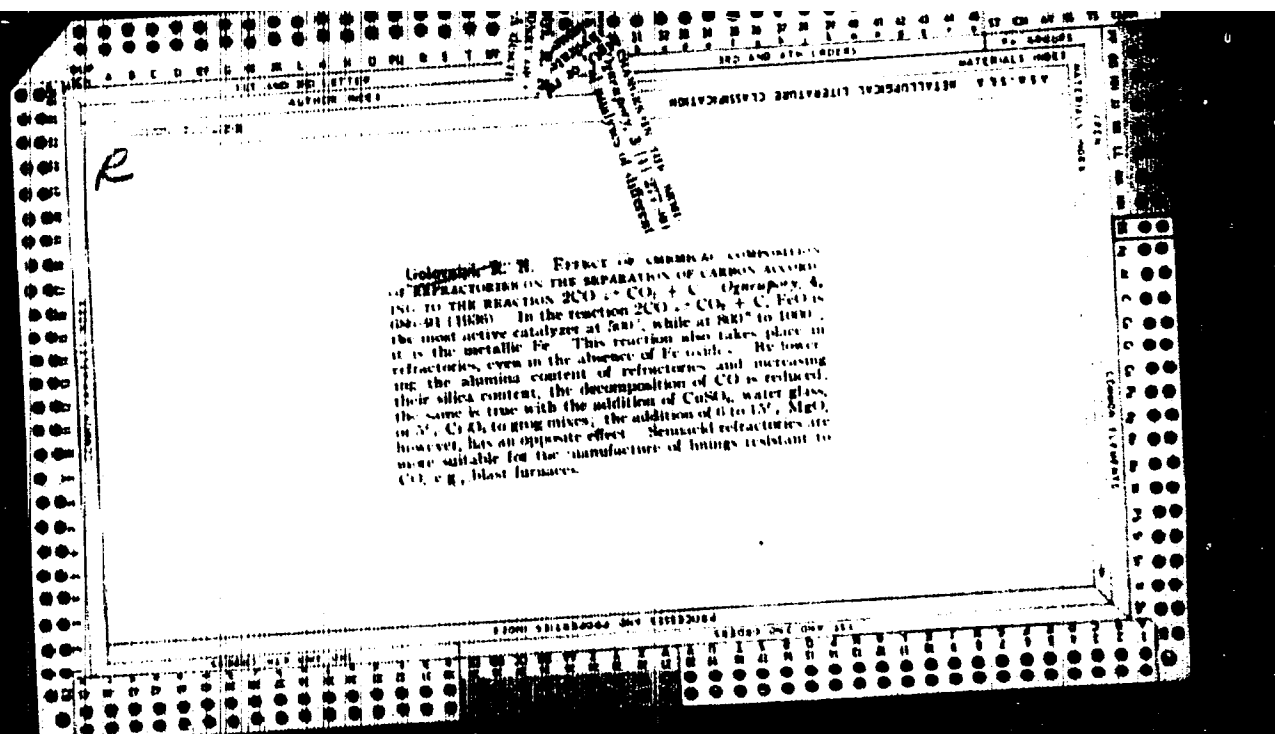
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1. TITLE METALLURGICAL LITERATURE EXAMINATION		2. DATE 8-27-58	
3. AUTHOR INDEX 4. SUBJECT INDEX		5. METALLURGICAL LITERATURE CLASSIFICATION	
<p> 6. SUMMARY <u>6505, M. P. and Golovinski, B. N. INFLUENCE OF</u> <u>GASEOUS HYDROCARBONS ON REFRACTORIES. Ogasapury, 3</u> <u>(4) 642-47 (1930).--</u>The deposition of carbon on the inner side of the refractory lining of coke ovens depends on the chemical composition of the refractories. At low tem- peratures (600°) the increase of silica content decreases the rate of deposition of carbon; at 800° and above, much larger deposits are formed on silica brick than on grog brick. The carbon is in a more amorphous condition. The addition of 1 to 2% iron oxide increases carbon depo- sition in all cases. On grog and semichl grog it attains the highest rate at 800° and decreases afterward, and its form becomes graphitic. The increase of the firing tem- perature of refractories lowers the deposition; the increase of volatility increases it in proportion. The deposition penetrates equally the whole thickness of the brick. </p>			





PROCESSING AND PRODUCTION NOTES	
ca	7
<p>Determination of calcium oxide in blast-furnace slag and Hematite. <i>A. N. Gerasimov, Zvezdskaya Lab. 3, SDO-7 (1938)</i>.---It is recommended to ppt. the Ca as carbonate, dissolve the ppt. in a measured vol. of standard HCl and titrate the excess HCl with NaOH in the presence of methyl orange. Chas. Blanc</p>	
<p>ADD-12.4 METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>Source: SDO-7 (1938)</p>	<p>Collection: SDO-7 (1938)</p>

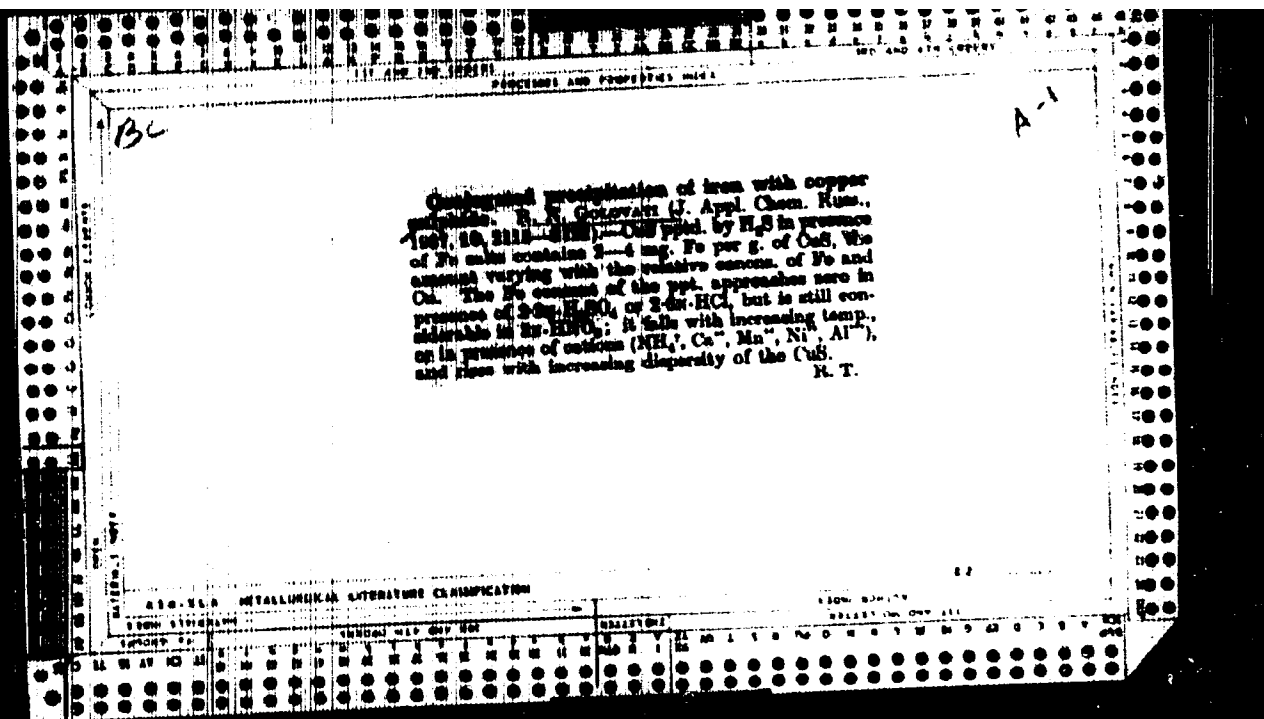
<p>Investigation of gas coal from the Donbas. R. N. (U.S.S.R.) 0. 1001 (1961). Tech. and chem. analytical data are given for 11 different samples of coal from the Donbas deposit. The temp. at which the atm. O₂ begins to react with samples is in direct relation to its reactivity, which, in turn, is in direct relation to the Fe₂O₃ content of ash, although catalytic action of Fe₂O₃ depends upon the nature of coal. The softening point of all samples of coal is around 1200-1300°, and their m. p. varies within 1250-1300°. A description of expts. is given. Three references.</p> <p>A. A. Podgorny</p>		21
<p>CLASSIFICATION</p> <p>ASB-554 METALLURGICAL LITERATURE CLASSIFICATION</p> <p>RESEARCH DIVISION</p> <p>RESEARCH DIVISION</p>		

GOLOVATYKH P. N.

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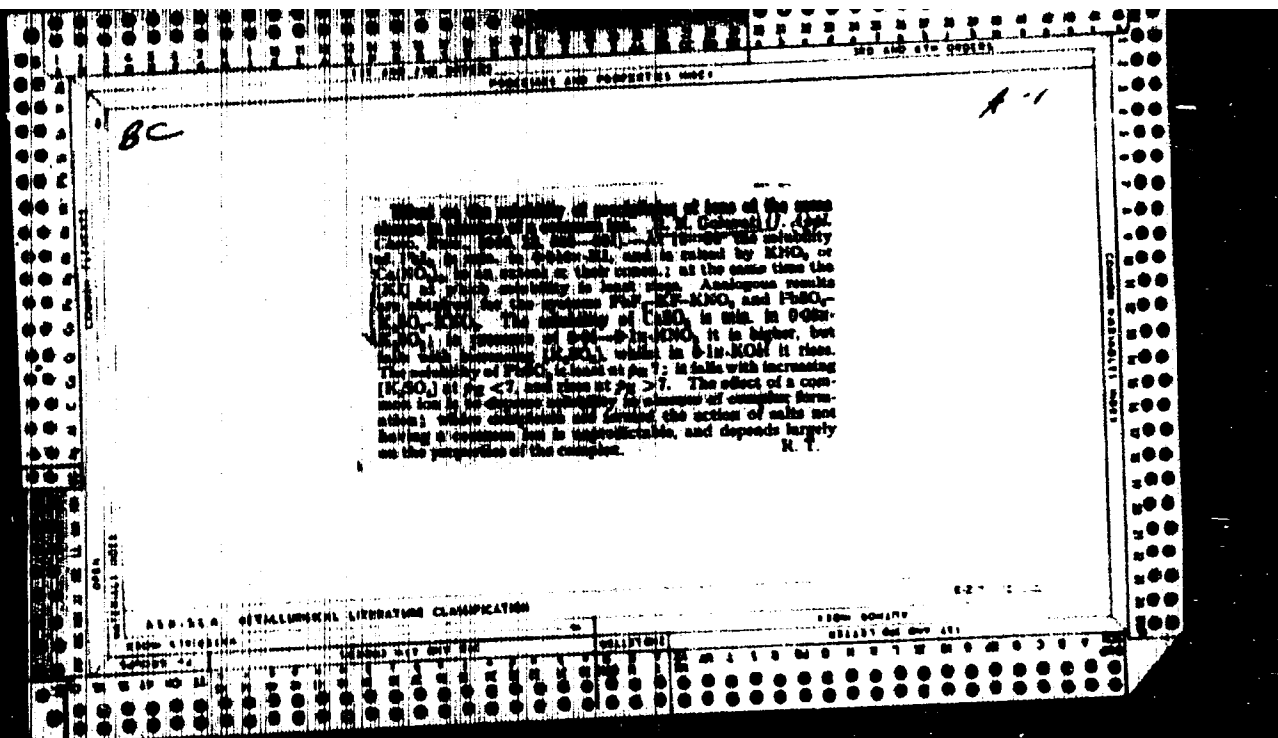
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Construction Chemicals Division



5		4	
<p>THE INFLUENCE OF ASH CONSTITUENTS ON THE REACTIVITY OF COKE. R. N. Gaisvaki. (<u>Journal of applied Chemistry, U.S.S.R., 1939, Vol. 12, pp. 1178-1186; Fuel in Science and Practice, 1940, vol. 19, Oct., pp. 206-211</u>). The author presents the results of a study of the effect of the presence of chlorides of iron, aluminum, calcium, magnesium, manganese and potassium, and of silicic acid either separately or in mixtures, on the reactivity of two representative cokes from the Don Basin in the U.S.S.R. The reactivity was calculated in accordance with Bahr's formula. It was shown that iron chloride increases, and silicic acid reduces, the activity of coke, not only at 700° C., but also at the temperature of the initial reaction between carbon dioxide and the carbon of the coke. The influence of certain catalysts on the velocity of this reaction was also examined, and it was found that their effect depended on the nature of the coke. Good catalysts, in decreasing order of effectiveness, were iron, calcium and potassium.</p>			
<p>610-524 METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>610-524 METALLURGICAL LITERATURE CLASSIFICATION</p>			

<p>6</p> <p>PRECIPITATION OF FERRIC HYDROXIDE IN THE PRESENCE OF SIMPLE AND COMPLEX IONS. R. N. Golovaty, P. I. Il'enko and D. R. Turbail. <i>J. Applied Chem.</i> (U.S.S.R.) 12, 1241-4 (1958). -- The pptn. of $Fe(OH)_3$ in the presence of K, Ca, Mg, Mn, Co, Cd, Zn, Co and Ni chlorides was investigated. The following conditions for the pptn. of $Fe(OH)_3$ free from the above ions are recommended: (1) In the presence of simple ions, conc. the soln. to small vol., add 2 g. NH_4Cl or NH_4NO_3, ppt. $Fe(OH)_3$ from boiling or nearly boiling soln. by adding concd. NH_4OH (until the soln. becomes alk. to methyl orange), filter off $Fe(OH)_3$ and wash with hot water containing NH_4Cl or NH_4NO_3. (2) In the presence of complex-forming ions, acidify the soln. with HCl or HNO_3, evap. to 30-40 cc., add 1-2 g. NH_4Cl or NH_4NO_3 and boil. Ppt. $Fe(OH)_3$ with NH_4OH acid. with NH_4Cl or NH_4NO_3, adding the mixt. at once. Boil the soln. with the ppt. for 1-2 min., add more NH_4OH and filter off $Fe(OH)_3$, while the soln. is hot. Wash the $Fe(OH)_3$ ppt. with hot water containing NH_4Cl or NH_4NO_3, till the complex ion is removed. The method prevents or minimizes the adsorption of the above ions. A. A. P.</p>	
<p>ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION</p>	
<p>FROM: 03/19/59</p>	
<p>REASON FOR CHG: 101</p>	



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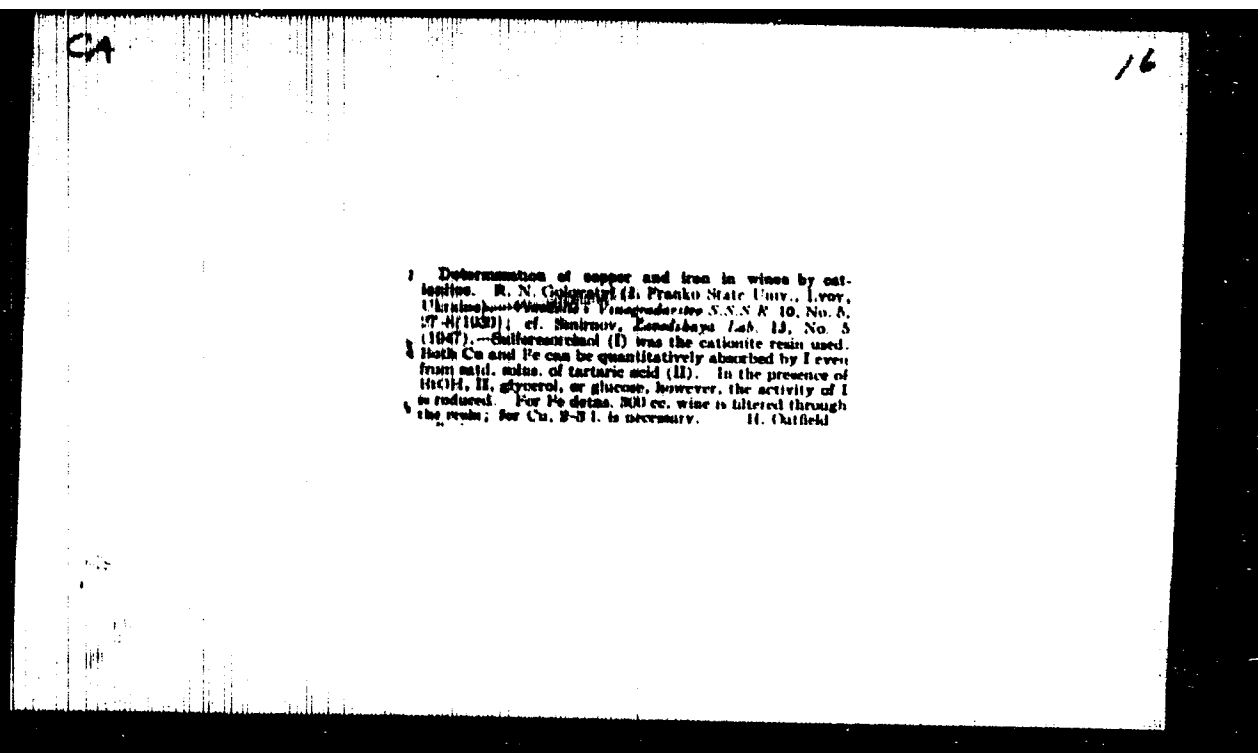
CA

7

New method for the determination of tartaric acid. *J. N. Golovinski* (Lvov State Univ.). *Vysokomol. i Vinograd. shch. S.S.S.R.*, 10, No. 10, 24-3 (1950). To avoid the tedious procedures usually used for the detn. of tartaric acid in materials where it is present as K and Ca salts, G. suggests the use of a cation-exchange column. The material to be analyzed is acid. with 0.1 N HCl, and the ext. is run through a cation-exchange column previously acid. with HCl. Under these conditions, the K⁺ and Ca²⁺ ions from the tartaric acid salts will liberate an equiv. no. of H ions which will appear in the effluent from the column and can be titrated with standard alkali. The difference between the H ions in the ext. before and after treatment on the cation-exchange column gives the tartaric acid content of the ext. S. G.

Protection and analysis

1957



CA

7

Concentration of lead from aqueous solutions by ion-exchange resins. R. N. Golovaty (State Univ., Lvov, U.S.S.R. 1961, No. 11, 58-6). Ion-exchange resin in the acid state is used for the retention of Pb ions. A 20-40% layer of the resin in the tube is treated with a pass of 0.1 N $Pb(NO_3)_2$, washed with 10% HCl, then with distilled H_2O . The test specimen is then passed through (if its pH is under 3 it should be neutralized), and the retained Pb is eluted with 10% HCl after several min. residence; 2 more washings with 4% HCl complete the process. The resin should be immediately regenerated. G. M. Kosolapoff

GOLOVATYY, R.N. [Holevati, R.N.]

Effect of the chemical composition of refractory clays on the precipitation of carbon in the reaction $2CO \rightleftharpoons C + CO_2$. Nauk.

zap. L'viv. un. 13:51-61 '49.

(MIRA 12:10)

1. Kafedra obshchey i neorganicheskoy khimii L'vovskogo gosudarstvennogo universiteta imeni I. Franko.

(Carbon) (Fire clay)

GOLOVATYY, R.M.

Determination of some salts used in medicine by base exchange. Ukrain. Khim.
Zhur. 17, 500-7 '51. (MIRA 6:4)
(CA 47 no.28:12124 '53)

1. K'vov State Univ.

~~SOLOVATYK, R.H.~~ MOTOTSKIY, Ye.I.

Swelling of formaldehyde casein. Nauk.zap.L'viv.un. 21:70-78 '52.
(MIRA 10:7)

1. Kafedra obshchey i neorganicheskoy khimii.
(Casein) (Formaldehyde)

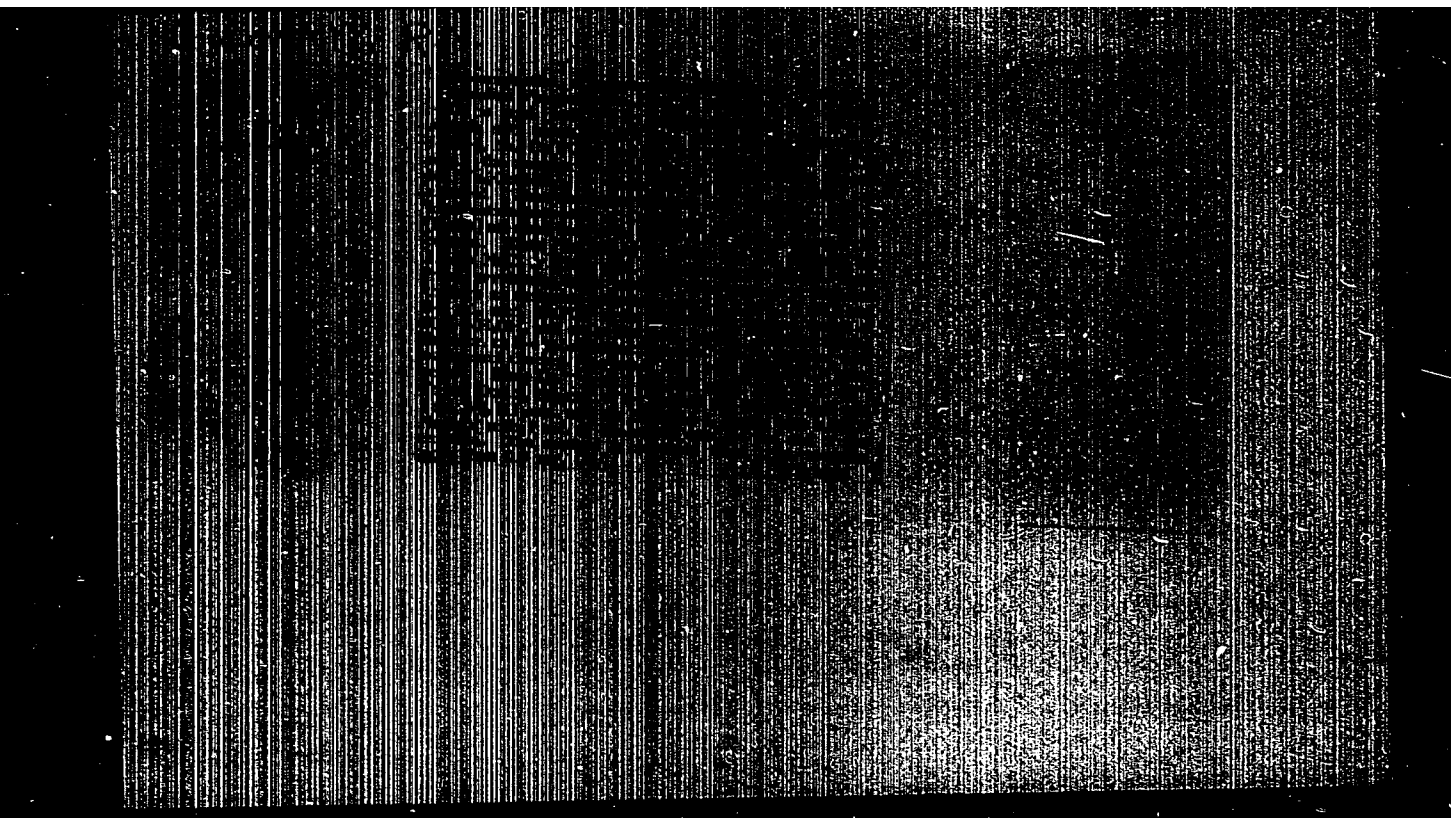
GOLOVATYY, R.M.; DEBYANENKO, Ya.A.

Determination of P_2O_5 in ordinary superphosphates and phosphorites
by the cationisation method. Nauk.zap.L'viv.un. 21:152-155 '52.
(MLRA 10:7)

(Phosphorus oxides) (Phosphates) (Phosphorites)

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1. GCLOVATYY, R. N.
2. USSR (600)
4. Wine and Wine Making - Analysis
7. Determining copper in wines. Vin. SSSR 14, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

Golovaty, R.N.

USSR/ Analytical Chemistry - General Questions

G-1

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11992

Author : Golovaty R.N.

Inst : Lvov University

Title : Use of Trilon "B" in Ion-Exchange Chromatography

Orig Pub : Dopovid i ta povidomlennya L'viva'k. un-t, 1955, No 6, Part 2, 131-134

Abstract : For the separation of Fe from Mn, Zn, Be, Mg, Ba, Ca, Li, and K, to a slightly acid solution are added 2-3 drops of 5% solution of NH_4SCN and 0.2 N solution of Complexon III (I), until decolorization is effected. The mixture is neutralized, to methyl orange (II), with NH_4OH and filtered through a layer (12 g) of H-cathionite (III) (1-2 ml/minute). Fe passes into the filtrate. To separate Al from Be, Mg, Mn, Zn, and Li, to a solution made slightly acid with hydrochloric acid is added a 2-3 fold excess of I

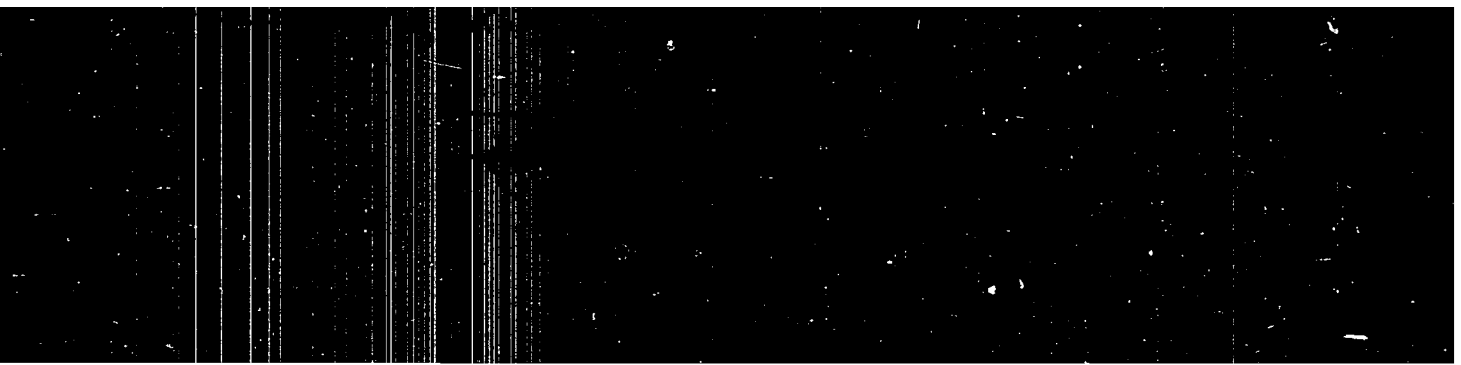
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Referat Zhur - Khimiya, No 4, 1957, 11992

(on the basis of the Al), the solution is neutralized with NH_4OH to II, and filtered through a layer of III. Al passes into the filtrate. From aqueous solutions, at pH 4.4, Cr is quantitatively absorbed by III in the presence of any excess of I; this property was utilized to separate Cr from Al, Fe, Ni and Cu. To separate

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~~SECRET~~ R.N. [Holovaty, R.N.]

Stability of the bond between ions and the functional group of
ionites. Dep. ta pov. L'viv. un. no.7 pt.3:187-190 '57.

(MIRA 11:2)

(Chemical bond) (Ion exchange)

GOLOVATYY, R.W.

Ion-exchange chromatography used for separation of iron from other
metals. Ukr. khim. zhur. 24 no.3:379-383 '58. (MIRA 11:9)
(Metals--Analysis) (Chromatographic analysis)

BOLOVATYY, R.N.; OSHCHAPOVSKIY, V.V.; KHUDYAKOVA, M.M.

Qualitative detection of cobalt by means of precipitation
chromatography. Ukr. khim. zhur. 24 no.4:491-494 '58.
(MIRA 11:10)

1. L'vovskiy gosudarstvennyy universitet i L'vovskiy politekhnicheskiy institut.

(Cobalt) (Chromatographic analysis)

GOLOVATYY, E.N.

Use of tiron in the chromatographic separation of iron, aluminum,
titanium, and tin from calcium, magnesium, manganese, zinc, and copper.
Part 1. Ukr.khim.shur. 24 no.5:653-655 '58. (MIRA 12:1)
(Tiron) (Chromatographic analysis)

GOLOVATYY, R.M. [Holovaty, R.M.]; KHMEL'NITSKAYA, N.M. [Khmel'nyts'ka, N.M.]

Concentration of traces of heavy metals from natural waters
by the cationite method. Nauk.zap.L'viv.un. 46:141-144 '58.
(MIRA 12:7)

(Ion exchange) (Water--Analysis)